

Release notes for ENDF/B Development e-066_Dy_000
evaluation

ENDF
B-VII.dev

October 13, 2016

• fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-066_Dy_000.endf (Error # 0): ZAP messed up

 WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Dy + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

 WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Dy [excitation] / Product: e- (Error # 0): Generic unimp (c)

 WARNING: Checking not yet implemented for energyLoss type data

• fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Dy [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Dy + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Dy [excitation] / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Dy1s1/2 / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 53861. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Dy2s1/2 / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9012.5 eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Dy2p1/2 / Cross section: (Error # 0): Threshold mismatch

 WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8590.700000000001 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Dy2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7781. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Dy3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2018.2 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Dy3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1830.9 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Dy3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1662.1 eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Dy3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1336.6 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Dy3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1299.5 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Dy4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 404.2 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Dy4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 329.38 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Dy4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 291.56 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Dy4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 167.07 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Dy4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 160.24 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Dy4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10.62 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Dy4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9.66 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Dy5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 53.67 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Dy5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 33.06 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Dy5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 28.09 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Dy6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.35 eV!

• `xsectplotter` Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]